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Dong-Hee Shim, Hee-Joung Lee and Kang-Suk Huh

Execution Date(s) January 13, 2005 & January 17, 2005

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
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☐ Other _____

2. Name and address of receiving party(ies)

Name: LG Electronics Inc.

Internal Address: _____

Street Address: 20 Yoido-dong, Yeongdeungpo-gu

City: Seoul

State: _____

Country: Korea

Zip: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

01/27/2005 HLE333 00000002 11038675

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Jonathan Y. Kang, Esq.

Internal Address: _____

Street Address: 801 South Figueroa Street,

14th Floor

City: Los Angeles

State: CA

Zip: 90017

Phone Number: 213-623-2221

Fax Number: 213-623-2211

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
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9. Signature:

Lew Macapagal
Signature

January 19, 2005

Date

Lew Edward V. Macapagal

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

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PATENT
REEL: 016199 FRAME: 0815

Attorney Docket No. 2101-3090

ASSIGNMENT

- (1-8) *Insert Name(s) of Inventor(s)*
- (1) DONG-HEE SHIM (5)
 (2) HEE-JOUNG LEE (6)
 (3) KANG-SUK HUH (7)
 (4) (8)
- In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to
- (9) *Insert name of Assignee* (9) LG Electronics Inc.
 (10) *Insert state of Incorporation of Assignee* (10) Republic of Korea
 (11) *Insert address of Assignee* (11) 20, Yoido-dong, Yeongdeungpo-gu
 Seoul, Korea
- (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as
- (12) *Insert Identification of Invention, such as Title, Case Number or Foreign Application Number* (12) **METHOD FOR TRANSMITTING/RECEIVING SIGNAL IN MIMO SYSTEM**
- for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.
- (13) *Insert Date of Signing of Application* (13) January 13, 2005 and January 17, 2005

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith. The undersigned hereby appoints JONATHAN Y. KANG, REG. NO. 38,199; F. JASON FAR-HADIAN, REG. NO. 42,523; AMIT S. SHETH, REG. NO. 50,176; RICHARD CARL SALFELDER, REG. NO. 51,127; LEW EDWARD V. MACAPAGAL, REG. NO. 55,416; ROBERT E. KASODY, REG. NO. 50,268

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: January 13, 2005 Signature of Inventor: Donghee Shim
 Date: Jan. 17, 2005 Signature of Inventor: Hee-Jung Lee
 Date: January 13, 2005 Signature of Inventor: Kang-Suk Huh
 Date: _____ Signature of Inventor: _____